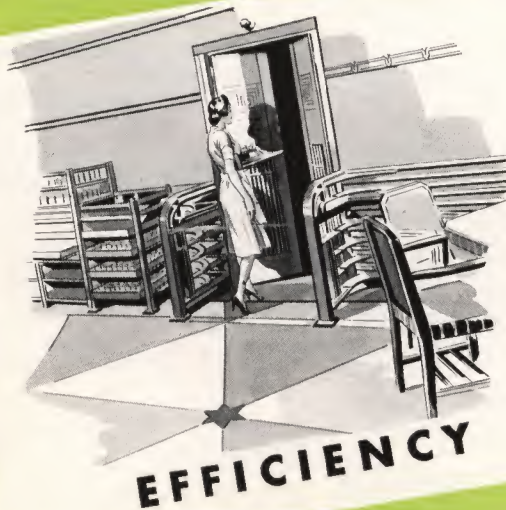
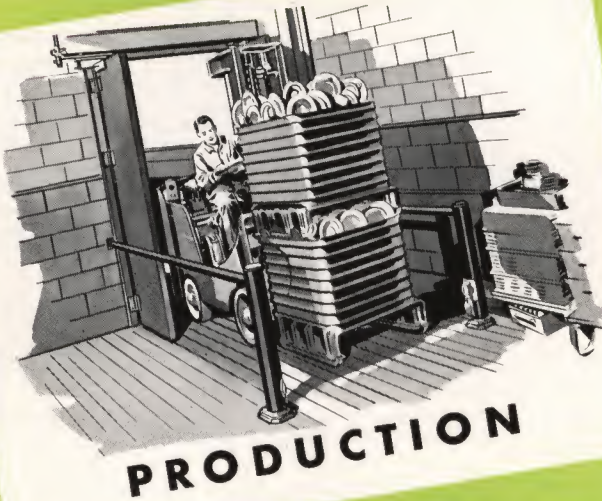


STANLEY DOOR CONTROLS

"The Magic Door"

Increase . . .



. . . and Profits

THE STANLEY WORKS
MAGIC DOOR DIVISION
NEW BRITAIN, CONNECTICUT

20 Years of Successful Automatic Door Operation

Many installations of STANLEY Magic Doors have been in successful operation for more than 20 years. The continued enthusiasm of the owners of these installations and their appreciation of the practical convenience of automatic door operation is the best evidence of the advantages of this device that we can offer.

SIMPLICITY OF THE SYSTEM

The effectiveness of STANLEY Door Operator installations is largely due to the inherent simplicity of the elements comprising the device. Because there are few moving parts and virtually nothing to wear out, STANLEY Door Operators last indefinitely with a minimum of maintenance. There are no gears or motors. Springs do the work of closing the door and in the event of power failure, doors can be operated manually with no harm to the mechanism.

1 The Operator

Has only four basic parts: the power cylinder and slide, checking cylinders, closing springs and a mechanically or electrically actuated air valve.

The ingenious combination of these elements gives these positive results: Having started to open, door opens fully; if valve is actuated as door starts to close, door returns to full open position regardless of its position in closing. The rate of opening and closing is easily regulated by simple and accessible adjustments.

For Basic Operator Details

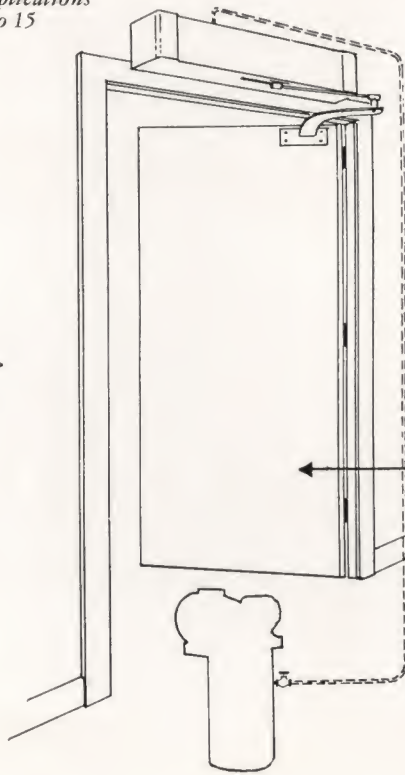
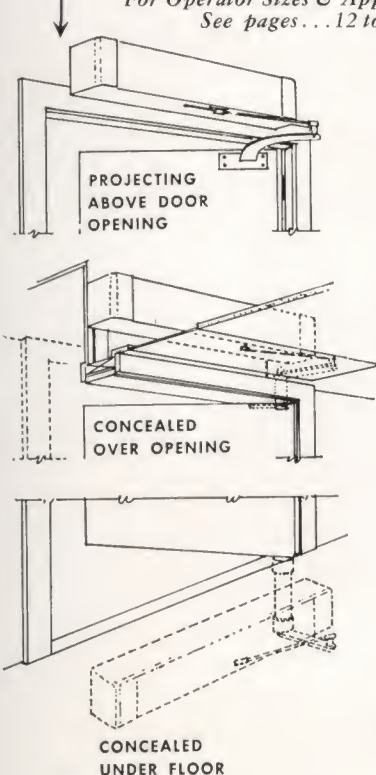
See page 4

For Operator Installations

See pages . . . 9 to 11

For Operator Sizes & Applications

See pages . . . 12 to 15



ADAPTABILITY

Whatever your traffic, air conditioning, or use problem may be, there is a possibility that STANLEY Magic Door Operators can offer you unique advantages. While this book will illustrate most standard applications it can only hint at a few of the special conditions that have been resolved satisfactorily. We will be pleased to discuss your problem without obligation to you.

2 The Controls

Any one of a variety of controls is possible with the STANLEY Magic Door Operator. Regardless of the type selected, the cycle of operation can be predetermined. The doors can be opened, held open for a short space of time, then closed automatically or, through use of a special device, the doors can be opened or closed from any one of a number of stations regardless of the location of the doors. Any actuation of control will bring it to full open position promptly. Push button, pull cord, floor switch, Magic Carpet, hardware or photoelectric controls are available and can be used in any desired combination.

Photoelectric Controls have been very successfully used in the majority of commercial and industrial installations. The current use of the Magic Carpet control for use by pedestrian traffic has made the installation procedure extremely simple.

For Basic Controls — See pages 6-7.



For All Doors Fully Automatic

THE MAGIC DOOR
With Photoelectric Controls

Or for Entrance & Service Doors

THE MAGIC CARPET
See page 8

FOR INDUSTRIAL DOORS ONLY

Wall Push Button or
Floor Plate

Pull Cord

Mechanical

All as suitable to the particular
problem to be solved.

3 The Operating Power

Compressed air is the power medium, and offers flexibility of operating speed, low cost, and the ready availability of reserves of power for instantaneous operation under high frequency conditions. Compressed air may be obtained from the

regular industrial supply or from a small compressor unit supplied with the STANLEY equipment.

To adapt these three essential elements to your varied conditions, study the details that follow or better yet, call on our representative to study them for you.

Application of Door Controls

In general, all doors likely to be operated fall under three distinct headings, as to use. These are (1) ENTRANCE or EXIT DOORS, used by the public, (2) SERVICE DOORS and (3) INDUSTRIAL DOORS, normally used only by those familiar with their operation. Certain operators and controls are suited to each of these used, as explained in detail below.

Entrance or Exit Doors

Automatic doors are of inestimable value when used at public entrances or exits of all types. They do away with the inconvenience of pushing or pulling a heavy door. Pedestrians carrying packages or luggage or accompanied by children find them a great convenience. Heavy traffic is speeded-up, and congestion alleviated by the division of the entrance into definite traffic channels.

A "Magic Door" installation adds prestige to the building in which it is incorporated. Banks, Public Buildings, Passenger Terminals, Hotels, etc., have particular need for automatic door operation.

Service Doors

Automatic controls are very practical for all types of service doors between kitchens and dining rooms, or for any other kind of opening where employee traffic requires speed without congestion. Their use brings appreciable savings in dish breakage and wear and tear on doors, saves employees' time, speeds customer service.

Industrial Doors

Industry has recognized the utility of automatic doors where temperature or humidity controls are vital, and as a money-saving device in reducing heat loss in winter. Where industrial trucks are used between departments Magic Door operators offer additional savings in reduction of product damage and door repair bills. They stop the costly habit of butting doors open and save time by eliminating the need of opening and closing doors by hand.

Operators and controls, available for all industrial uses, are offered in detail on the following pages.

Special Applications

On today's modern ocean liners and on the club cars of trans-continental trains, the Magic Door has become a leader in special service equipment. There seems to be great appreciation for doors that open and close automatically, that help maintain perfect air conditioning, that expedite traffic flow.

Application

Full Photoelectric or Magic Carpet Controls of the Single or Double O-1 Operator are standard for all Entrance Doors whether made of Wood, Metal or all Glass in:

| | | |
|---------------|-------------------|---------------|
| Airports | Office Buildings | Super Markets |
| Banks | Public Buildings | Theatres |
| Bus Terminals | Railroad Stations | Laundries |
| Cafeterias | Restaurants | |
| Hospitals | Retail Stores | |
| Hotels | Sanatoria | |

Used by:

| | | |
|-----------------------|---------------------|--------------------|
| The Great A&P Tea Co. | National Tea Co. | The Kroger Co. |
| National Shawmut Bank | Penn. R. R. Station | Safeway Stores |
| Chicago Union Sta. | Baltimore Airport | Jewell Food Stores |

Full Photoelectric or Magic Carpet Controls, Push Button or Floor Plate Controls of the Single or Double O-1 Operator are standard for Service Door use in:

| | | |
|------------------|-------------------|-----------------------|
| Cafeterias | Kitchen Doors in | Operating Room |
| Cocktail Bars | Airports | Doors in Hospitals |
| Grilles | Clubs | Doors in Laboratories |
| Hospitals | Department Stores | Dark Rooms, etc. |
| Restaurants | Hospitals | |
| Service Pantries | Hotels | |

Used by:

| | | |
|--------------------|--------------|-------------------------|
| Childs Restaurants | Wanamakers | U. S. Naval Hospitals |
| Statler Hotels | J. L. Hudson | Michael Reese Hospitals |
| Longchamps | G. Fox & Co. | Wm. and Mary College |

Full Photoelectric, Pull Cord, Push Button or Mechanical Control of practically every type and size of swinging or horizontal sliding door. Many problems have been met in varied installations for the following:

| | |
|---------------------|----------------------------|
| Airplane Plants | Interdepartmental Doors to |
| Auto & Motor Plants | Carding Rooms |
| Bakeries | Dye Houses |
| Candy Factories | Finishing Rooms |
| Chemical Plants | Furnace Rooms |
| Cold Storage Plants | Lacquer Rooms |
| Foundries | Paint Rooms |
| Machine Shops | Pattern Rooms |
| Paper Mills | Receiving Rooms |
| Refrigerator Plants | Shipping Rooms |
| Steel Mills | Spray Rooms |
| Textile Plants | Weave Rooms |
| Warehouses | Fermentation Rooms |

Used by:

| | | |
|------------------|-----------------------|--------------------|
| American Can Co. | Wright Aeronautical | Roebblings' |
| Bemis Bag Co. | Hershey Chocolate Co. | Continental Baking |
| Fulton Bag Co. | Curtis Publishing Co. | Chrysler Corp. |

More and more Magic Door operators are being used in out-of-the-ordinary locations requiring some modification of standard practices, in such places as

Railroad Cars—N. Y. C., C and O
Steamships—Matson, Swedish
Bookstacks—Library of Congress
Conveyor Lines

THE OPERATOR

There is but one STANLEY Operator, adaptable to many sizes and uses but essentially the same in construction.

THE VISIBLE TYPE OPERATOR

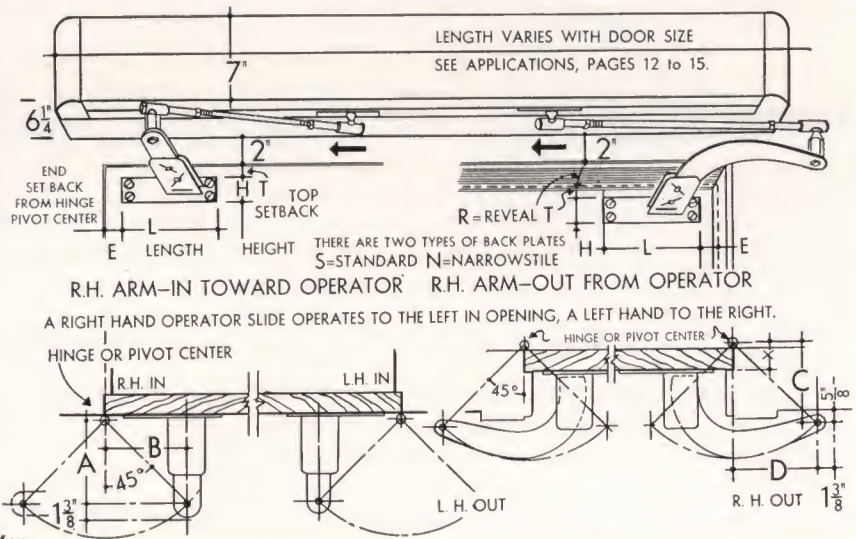
This all-purpose Operator is usable on Entrance, Service or Industrial doors in a variety of arrangements — single or double swing, folding, single or double slide. Swing doors may be butt, spring hinge or pivot hung.

The Operator is normally mounted directly over and parallel to the door. Its function is to actuate lever arms applied to the top rail of the doors, causing them to open and close.

It is important always to have sufficient width for the operator (see pages 12-13), solid construction in back for mounting and proper side room to clear the arms here shown.

OPERATOR STROKE

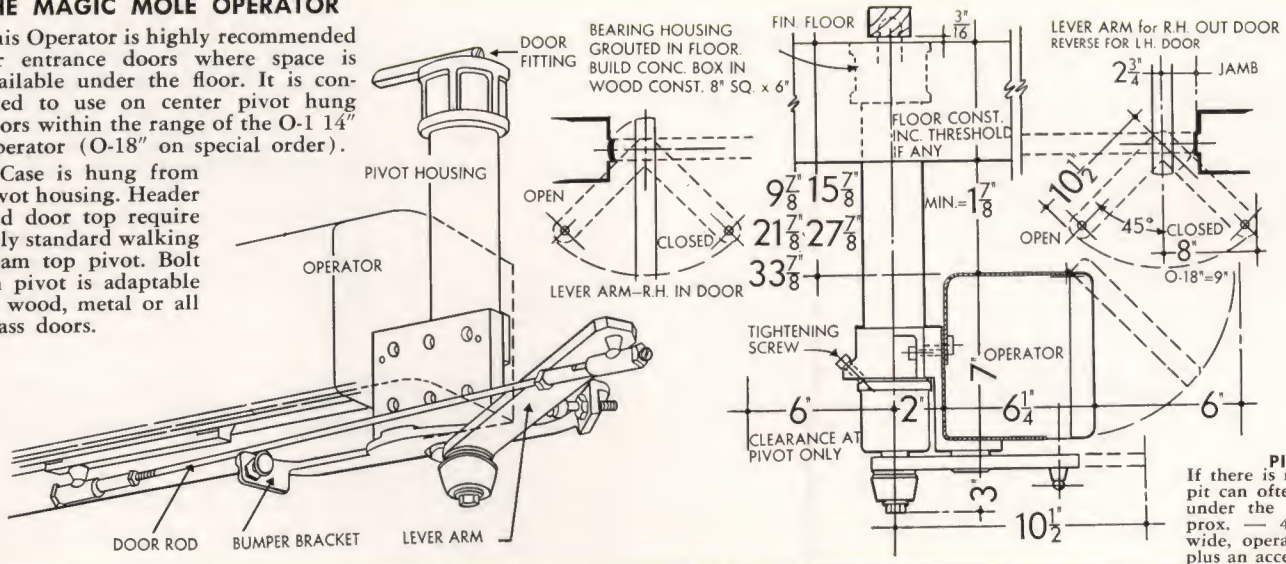
| | 14" | 18" | 24 1/2" |
|-------------------------|--------|--------|--------------|
| Back Plate . . . L | 8" | 10" | 16" |
| H | 2" | 1 1/4" | 3" |
| E | 1 1/2" | 1 1/2" | 3 3/4" |
| T | 1" | 1" | 3 3/4" |
| In Arm . . . A | 6 3/4" | 9 7/8" | 14 1/2" |
| B | 6 3/4" | 7 3/4" | 13 1/4" |
| Out Arm . . . C | 6 3/4" | 9 3/4" | 13 3/4" |
| D | 6 3/4" | 7 3/4" | 13 3/4" |
| R (X=2 1/4") 45°=3 7/8" | | 6 1/4" | 10 1/4" Max. |



THE MAGIC MOLE OPERATOR

This Operator is highly recommended for entrance doors where space is available under the floor. It is confined to use on center pivot hung doors within the range of the O-1 14\"

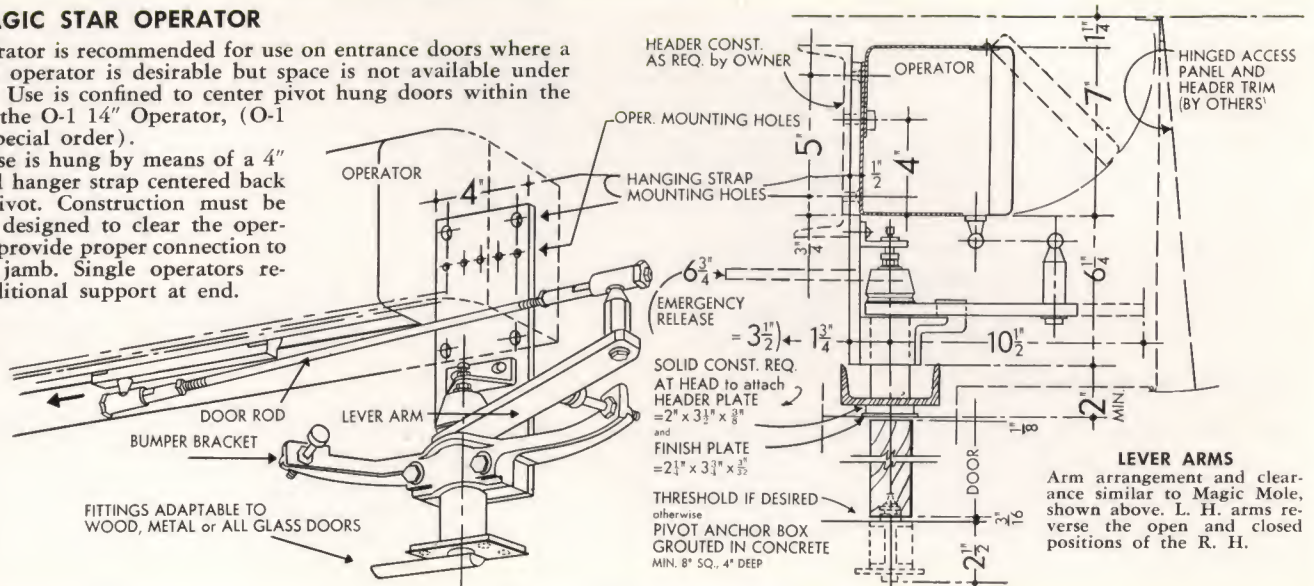
Case is hung from pivot housing. Header and door top require only standard walking beam top pivot. Bolt on pivot is adaptable to wood, metal or all glass doors.



THE MAGIC STAR OPERATOR

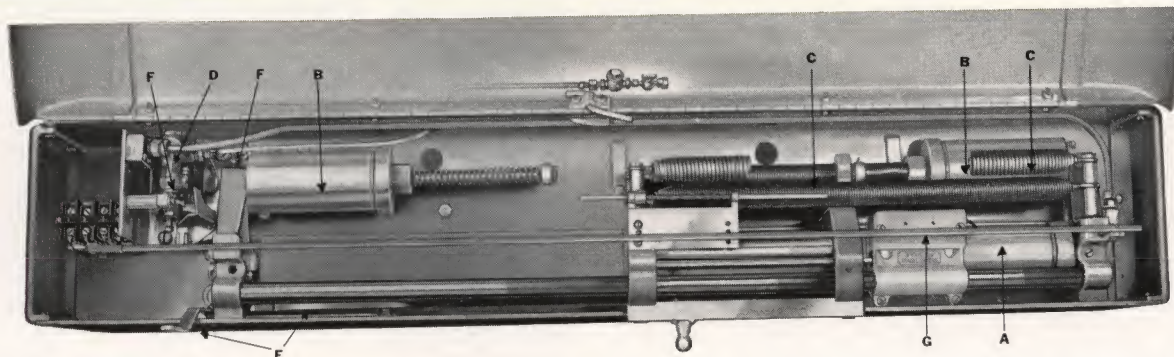
This Operator is recommended for use on entrance doors where a concealed operator is desirable but space is not available under the floor. Use is confined to center pivot hung doors within the range of the O-1 14\"

The case is hung by means of a 4\"



LEVER ARMS
Arm arrangement and clearance similar to Magic Mole, shown above. L. H. arms reverse the open and closed positions of the R. H.

FEATURES OF OPERATOR CONSTRUCTION



The operator is a simple, trouble-free mechanical device, time tested over millions of cycles during a period of over twenty years. Its principal features follow:

(A) The power cylinder, varied in length depending on the door to be operated. A piston and slide moved by compressed air

and supported by adequate bearings.

(B) Two checking cylinders, operative at each end of the cycle, make fast operation possible without vibration.

(C) Closing springs, varied according to size and weight of door, etc.

(D) Solenoid type electric valve.

(E) Hold-open latch which will hold the door open, no hooks or wedges being required.

(F) Adjustments to control speed of door's operation.

(G) Special cut-out switch.

EMERGENCY RELEASE DEVICES

To handle pedestrian traffic efficiently doors should operate in the direction of the traffic flow. Because many city ordinances require that all exit doors open out in an emergency — Stanley emergency release brackets are so designed.

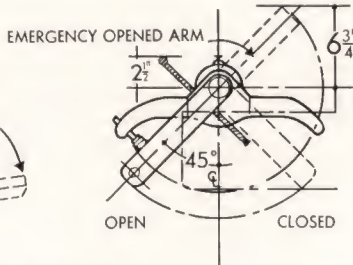
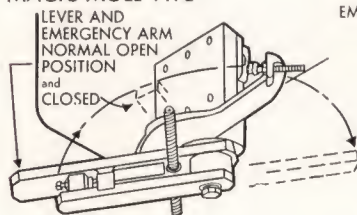
A quick thrust outward on the door — disengages the operator — permits the IN door to swing out.

When emergency is over return of door to closed position re-engages operator automatically.

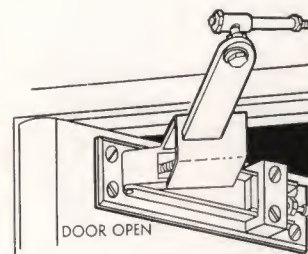
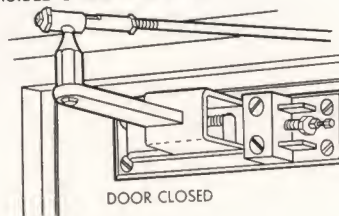
BARRIER ROPES

Where emergency release is used with a barrier rope, rope fitting is attached to wall or post with a spring link so rope will detach itself if door is reversed.

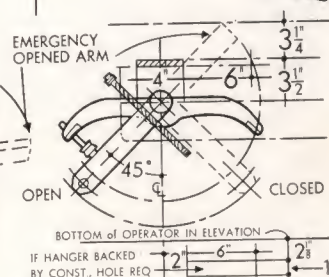
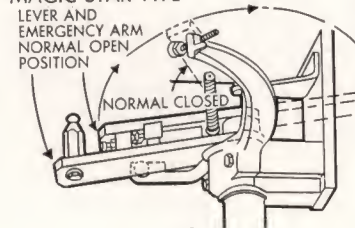
MAGIC MOLE TYPE



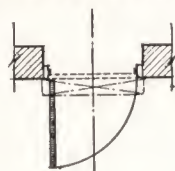
VISIBLE OPERATOR TYPE



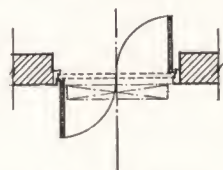
MAGIC STAR TYPE



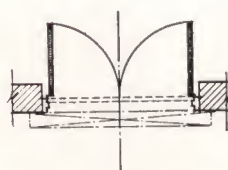
TYPICAL APPLICATIONS OF OPERATORS



SINGLE SWING
Page 12



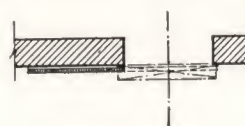
IN-AND-OUT SWING
Page 13



DOUBLE DOORS — ONE WAY
Page 13



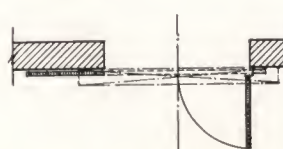
BI-FOLD, TWO OR FOUR
Pages 12 and 14



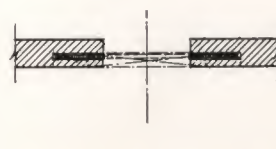
SINGLE SLIDE
Page 14



DOUBLE SLIDE
Page 15



ONE SLIDE, ONE SWING
Page 15



DOUBLE SLIDE CONCEALED
Page 15

These are the principal types of openings for which standard operators have been developed. Details of sizes, requirements and recommended uses are given on the pages indicated.

Automatic Door Control "THE MAGIC DOOR"

"The Magic Door" has been the choice of most purchasers. It is a practical application of electronics, no more complicated or troublesome than the everyday radio, and has stood the test of more than twenty years use even on doors used by as many as 40,000 persons a day. A few of its outstanding advantages are:

- Doors are open only while traffic is going through.
- Temperature and humidity control is simplified.
- Time lost in opening and closing doors is reduced.
- Traffic can move faster.
- In many plants door damage is eliminated.
- Service is speeded up, injuries and breakage lessened.
- Good will and prestige are established.

With this equipment, doors open when approached by individuals or trucks, stay open until passage is cleared, then close.

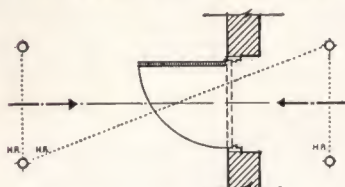
The sketch, at right, shows a typical arrangement of a single door with photoelectric controls for one-way traffic.

A and A1 are light sources. B is fixture or post containing two photo cells, one to open the door, and the other a patented diagonal ray safety feature.

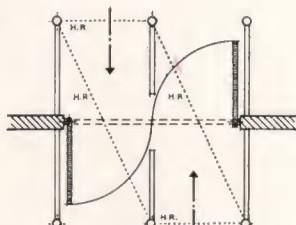
When a person intercepts the cross ray, the door opens. The door always opens completely even from a momentary interception of the ray. As soon as the door opens to a position which clears the safety ray, a switch in the operator causes the diagonal ray to become active. Now the door remains open as long as the diagonal ray is intercepted. When passage through the door is completed, the door closes. The light ray may be arranged to suit conditions — across the opening, floor to ceiling, ceiling to wall, wall to floor, etc. — and fixtures may be mounted on walls, jambs, columns, as convenient.

TYPICAL APPLICATIONS

ENTRANCE — EXIT DOORS.



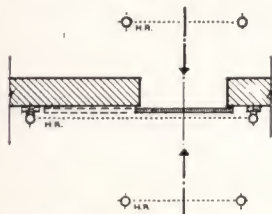
Two-way traffic and diagonal safety ray



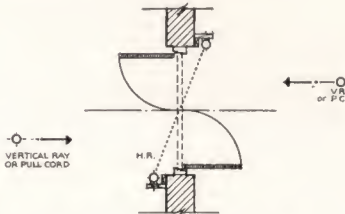
Two single swinging doors. Each with one-way and diagonal safety ray

Service Doors — Similar to those above.

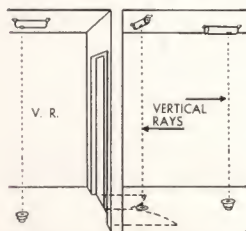
INDUSTRIAL DOORS.



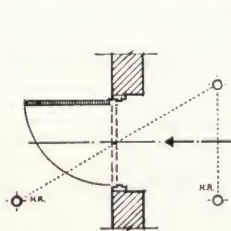
Sliding door — two-way traffic — horizontal safety ray



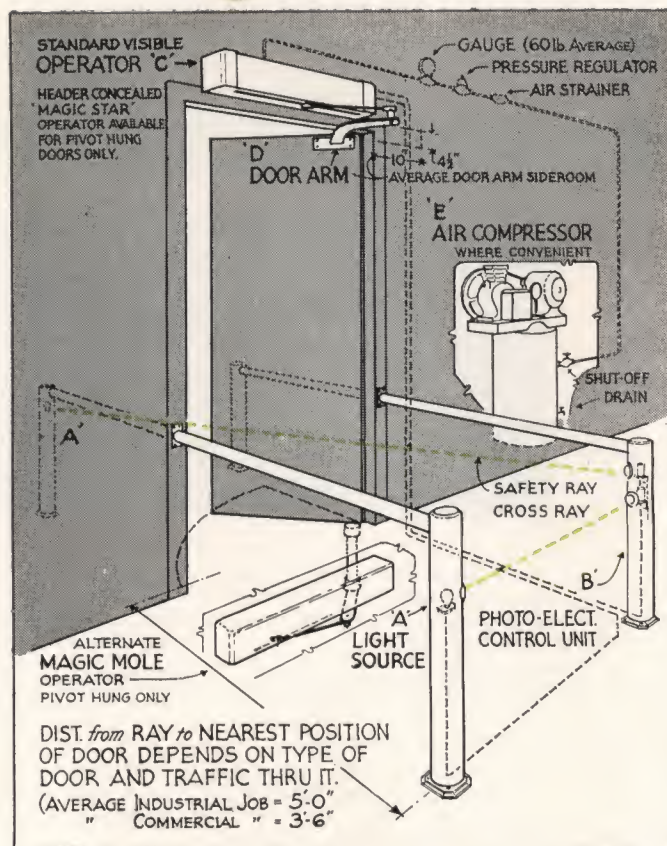
Two-way traffic — vertical ray — diagonal safety ray at opening



Two-way traffic — vertical ray — vertical safety ray at opening



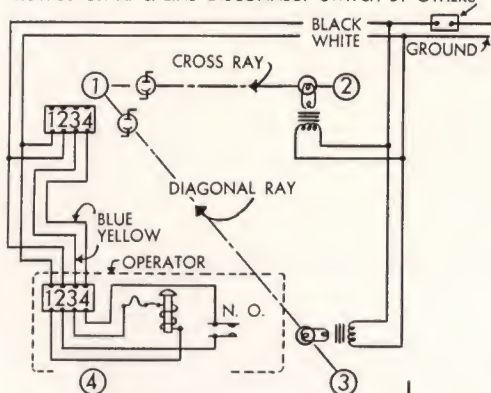
One way and diagonal safety ray



WIRING REQUIREMENTS

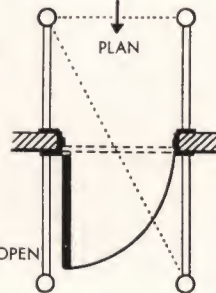
Standard requirements are simple, calling only for a separate 110V., 60C circuit. (Other characteristics on order.) Transformers in the set convert this to the low voltage required. Complete wiring diagrams are furnished with each installation, similar to the sample below.

110V.-60 CY. A. C. LINE DISCONNECT SWITCH BY OTHERS



CODE SYMBOLS

- ③ RELAY OR LT. SOURCE HOUSING
- No. 923 OR IP40 PHOTOCELL
- No. 1133 AUTO BULB
- 10 AMP. FUSE
- AIR VALVE SOLENOID
- 4 1/2-5 VOLT TRANSFORMER
- MICROSW. WZ 2RL NORMALLY OPEN
- 1234 TERMINAL BLOCK



PHOTOELECTRIC FITTINGS · POSTS · RAILS · BRACKETS

THE POST — Used for housing light sources or relays of horizontal rays, 4" dia., 36" standard height. Mounted on flush floor plates or recessed anchor boxes as required by construction.

SWIVEL UNITS — Used for surface wall-mounting of light sources or relays in entrance, service or industrial installations and also as the ceiling relay unit over vertical rays from floor boxes, 4" dia., 4 3/8" projection. Single L.S. = 9", Double L.S. = 18". Single Relays = 18", Double Relay = 24", all with 2" end brackets.

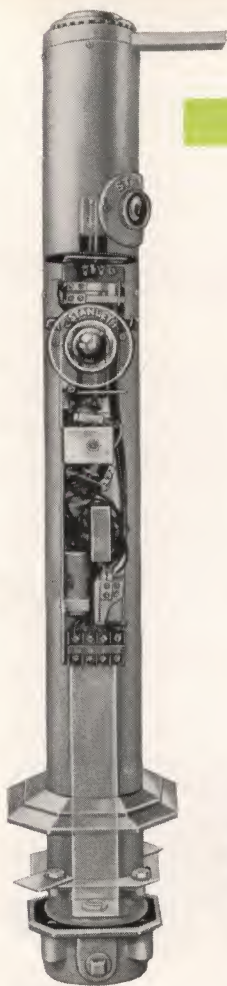
WALL BOXES — Used to recess L.S. or Relay units in walls. Not suitable where diagonal rays occur. Recess 3 1/8" wide, 3" deep.

FLOOR BOXES — Sealed-beam light sources, fixed or swivel type, for use with vertical ray layouts.

RAILS Standard rail is 2" x 1/2" flat, straight or one or two ends with 6" curve to floor. Suitable fittings for application to post, floor or wall. Special 2 1/2" round or multiple flat rails available.

BARRIER ROPES — Pairs of in-and-out entrance doors require rubber barrier ropes to divert traffic away from the wrong door.

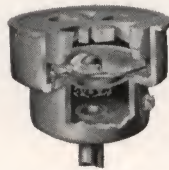
LENSES 1 1/2" for entrance doors, 4" Sealed Beam for industrial use provides maximum beam up to 50 feet.



Post with double rays and anchor box



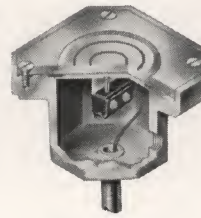
Commercial light source on post



Adjustable floor light source



Wall box light source



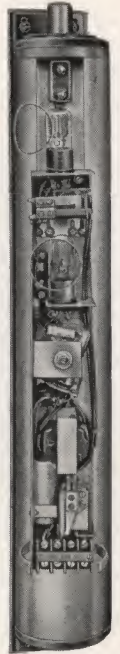
Floor button explosion proof



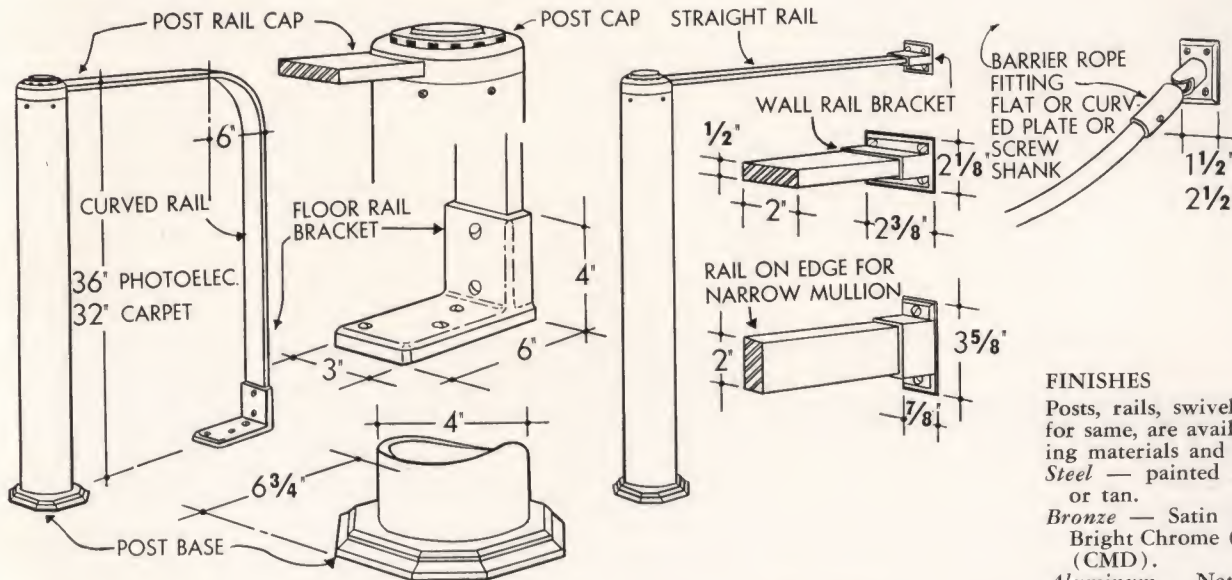
Swivel unit light source



Industrial light source on post



Swivel unit with double relay



FINISHES

Posts, rails, swivel units and fittings for same, are available in the following materials and finishes.

Steel — painted grey, white, black or tan.

Bronze — Satin (A5) Bright (A) Bright Chrome (CM) Dull Chrome (CMD).

Aluminum — Natural Alumilite.

MISCELLANEOUS CONTROLS

In addition to Photoelectric and Magic Carpet Controls, (page 8) there are various other means of actuating the operator in industrial installations, and occasionally, for service door use. These include push-button switches or floor buttons, suitably arranged for traffic conditions, mechanical trip-switches for conveyors, trains, etc., pull-cord switches, both momentary contact and ratchet-relay types with which the operator opens or shuts the door only at a pull of the cord.

Consult our engineers for suggestions and recommendations as to the best type for your particular problem.

AIR LOCKS

Various problems arising from air-conditioning or draft controls have led to the development of the air-lock plan. This consists of two separated openings, only one of which can be opened at one time. Depending on the size and speed of traffic and the space available, very effective protection may be had with a minimum disruption to traffic.

Consult our engineers if you have a problem of this sort.

Automatic Door Control "THE MAGIC CARPET"

As an addition to our line of door controls for use with pneumatic Door Operators, we now offer the Stanley Magic Carpet for Entrance and Service Door installations for pedestrian traffic only.

A unique non-slip carpet $\frac{3}{8}$ " thick, placed through the door opening actuates the door. Built into this carpet are safety features which not only hold door open as long as anyone is on carpet, but also prevent door opening should anyone approach door from the wrong direction when it is closed. It is practically impossible for anyone to be bumped by the swinging door.

The carpet is built for a minimum operating pressure of 20-25 lbs. A small child, a cane or a crutch will operate the door.

An outstanding advantage of The Magic Carpet is the fact that it operates on a low voltage circuit. No separate power circuit is required. A transformer built into the operator reduces voltage of any 110 volt line to the 6 volts required. The wiring of the carpet to operator is comparable to that of any door-bell circuit.

The carpet actuates operator by means of contact sheets sealed inside to eliminate possibility of oxidization or corrosion.

The waterproof, wear-resistant carpet is available in standard width and lengths.

In certain instances rails and barrier ropes are advisable to direct traffic.



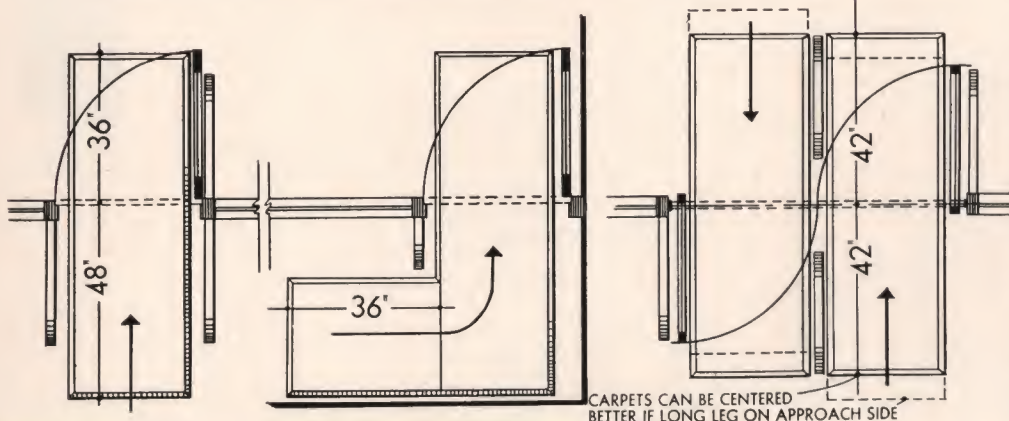
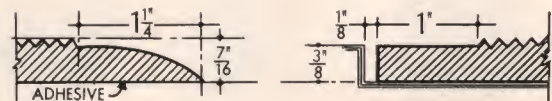
light sources and relays in their respective housings. Photoelectric controls are definitely superior in many cases. Carpets are not suitable for industrial installations where trucking over them is involved.

ADVANTAGES

The primary advantage of the MAGIC CARPET over photoelectric controls lies in the economy of installation, particularly on existing doors. This saving is possible chiefly because no long conduit runs from main outlet panels are required, no channeling of floors, no anchor boxes, no assembly and wiring for

SIZES

| | Surface Type | | | Recessed Type | | | Recess | | |
|----------|--------------|-------|--------|---------------|-------|--------|--------|--------|--------|
| | No. | Width | Length | No. | Width | Length | Width | Length | Length |
| Standard | MC-2984-S | 29" | 84" | MC-2883-R | 28½" | 83½" | 28¾" | 83¾" | |
| | MC-2993-S | 29" | 93" | MC-2893-R | 28½" | 92½" | 28¾" | 92¾" | |
| Narrow | MC-2584-S | 25" | 84" | MC-2483-R | 24½" | 93½" | 24¾" | 83¾" | |
| | MC-2593-S | 25" | 93" | MC-2493-R | 24½" | 92½" | 24¾" | 92¾" | |
| Half | MC-2936-S | 29" | 36" | MC-2835-R | 28½" | 35½" | 28¾" | 35¾" | |
| | MC-2536-S | 25" | 36" | MC-2435-R | 24½" | 35½" | 24¾" | 35¾" | |



WIRING

6 volt wiring from near center of carpet edge to operator, run as convenient to construction, concealed or surface mounted.

THRESHOLDS

Short sections of threshold fitted at either side of the carpet may be used with surface carpets. Thresholds are not essential with recessed carpets. Clearance must be provided at floor pivots, frequently requiring carpets to be off center of door opening.

LOCKS

Door locks of any type must be located away from the carpet. Carpets can not be cut or altered to permit lock bolt to engage in a floor strike through carpet.

THE OPERATING POWER

Compressed Air, the power medium for all Magic Door operating units, was selected by Stanley as a result of much experimentation and testing, which proved it superior for performance and reliability.

Compressed air insures constant speed of operation because power can be stored in sufficient quantity for instantaneous operation under high frequency conditions. Operating costs with air are low.

Many industrial plants have their own compressors. The minimum pressure in the line should be slightly more than that required by the operator. A pressure regulator, air strainer and gauge is furnished with each set of equipment to reduce line or tank pressure to that required by operator. Average pressure required for swinging doors is 50 lbs., for sliding doors is 70 lbs.

When an air compressor is required, a unit complete with tank is supplied made to Stanley Magic Door specifications. Installation and wiring instructions are enclosed. Data as to the size of the compressor needed is given in the table herewith.

AIR COMPRESSOR SIZES

| Class Number | Motor H.P. | Displ'm't. Cu. Ft. Per Min. | No. of Doors* | Overall Size | | |
|--------------|------------|-----------------------------|---------------|--------------|------|------|
| | | | | Long | Wide | High |
| AH-4 | ½ | 2.7 | 2 | 45" | 17½" | 30" |
| AH-6 | ¾ | 4.08 | 2 | 45" | 17½" | 30" |
| AH-7B | 1 | 5.3 | 4 | 45" | 17½" | 33" |
| AH-7½ | 1½ | 7.9 | 4 | 49" | 22" | 38" |
| AH-8 | 2 | 10.9 | 6 | 49" | 22" | 38" |
| AH-8½ | 3 | 15.8 | 8 | 64" | 22" | 40" |
| AH-9 | 5 | 24. | 10 | 65" | 25" | 43" |

*Size of Compressor varies with frequency of door operation. Consult us for correct specification.

All compressors furnished with A.S.M.E. tanks and motor starting switches. Specify current characteristics for motor.

AIR TUBING SIZES

| | 1 Operator | 2 Operators | 4 Operators |
|-------------------------|----------------------------|----------------------------|---------------------------|
| Run of 0' to 25' long | 5/16" Copper 1/4" Brass | 5/16" Copper 1/4" Brass | 3/8" Copper 1/2" Brass |
| Run of 25' to 100' long | 5/16" Copper 1/4" Brass | 3/8" Copper 1/2" Brass | 3/4" Brass |
| Run of over 100' long | 3/8" Copper 1/2" Brass | 1/2" Brass | 3/4" Brass |

INDUSTRIAL INSTALLATIONS

TANLEY
Door Controls

Whatever the traffic problem involved, MAGIC DOOR OPERATORS can be used to advantage on all sizes of swinging or sliding doors or combinations of them and with various types of controls. Mole and Star Operators and the Magic Carpet Control, however, are usually not suited to such use. Typical industrial layouts appear here.



HERSHEY CHOCOLATE COMPANY Hershey, Pennsylvania

Two-leaf swinging doors which operate simultaneously for two-way traffic. Equipped with vertical opening rays plus a cross safety ray built into the door jambs.

To apply these controls to existing doors, it is seldom necessary to modify jamb, header or door construction.

H. P. HOOD COMPANY Boston, Massachusetts

Two-way traffic Door Controls are actuated by ceiling pull-cord switches. A safety ray, located close to entrance, keeps doors open while traffic passes through.

Bi-parting sliding doors at entrance to refrigerated area snap open quickly and close immediately after traffic clears opening.



BRISTOL-MYERS COMPANY Paterson, New Jersey

Two-way traffic. All horizontal controls housed in 4" round posts. Rails provided to form passage aisle.

In-and-out swinging doors equalize drafts or pressure conditions at openings, assure desired speed of door operation at all times.

A UNIQUE INSTALLATION

Two-way traffic. This installation uses safety ray controls.

One door leaf in this passageway swings in unison with a companion sliding door. Due to space limitation, and direction of traffic flow, this unique set-up is a practical solution to a difficult problem.

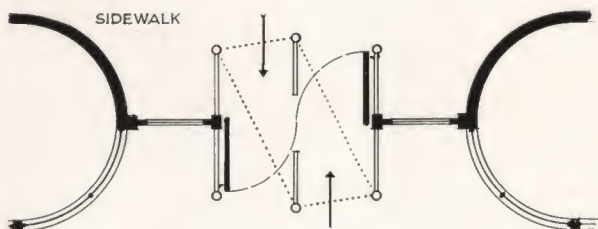


ENTRANCE APPLICATIONS

Eminently suited to a wide variety of entrances, MAGIC DOORS can be adapted to use with wood, metal or tempered glass, in complete harmony with any type of architecture. For such public use, however, plans should be confined to single doors and one-way traffic, using 1 or 1D Operators (Page 12), Photoelectric or Carpet Controls. Several typical entrance layouts are shown herewith.

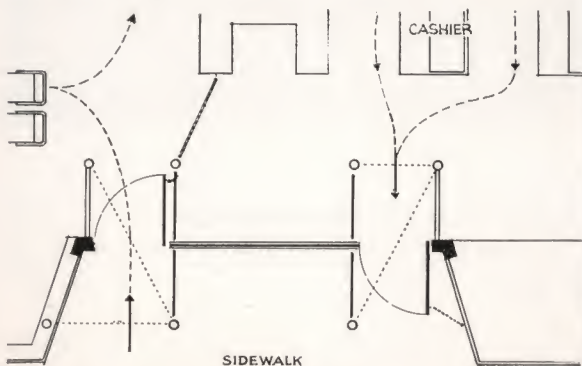
BUS TERMINAL UNION BUS TERMINAL Charlotte, N. C.

Two doors, one-way traffic through each, provide easy passage for luggage-laden travelers. Photoelectric.

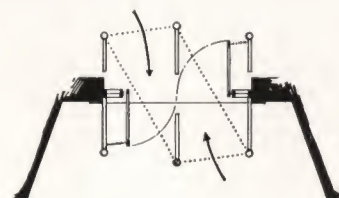


SUPERMARKET STEINBERG'S GROCETERIA Verdun, Montreal, Quebec, Canada

Bulky bundles are no problem at all when Magic Doors lend a helping hand. Left hand, one-way traffic through two doors. Photoelectric.



BANK FIRST FEDERAL SAVINGS & LOAN ASSO. Meriden, Conn.



The use of MAGIC DOORS on banking quarters or office buildings is the ultimate gesture of courtesy as well as a protection for the air-conditioned comfort of the occupant.



DOOR CONTROLS

By SERVICE DOOR, we mean any door primarily used by service personnel, not normally for industrial use but for foot or cart traffic between kitchen and dining room in hotels, restaurants, bars, factory and hospital cafeterias; for foot or stretcher traffic in hospitals and for many other similar uses.

There is scarcely a door in this category that could not be profitably operated with Stanley Controls. With slight alterations, seemingly impossible conditions may often be converted into attractive and useful layouts.

HOSPITAL

THE DOCTORS' HOSPITAL

Washington, D. C.

In-and-out simultaneous opening activated by floor plate switches, explosionproof type recommended.

No hand need touch the doors. Possibilities for useful operation are infinite in hospitals, clinics, doctors' offices and institutions of all kinds.



HOTEL

WARWICK HOTEL

Philadelphia, Pennsylvania

STANLEY Door Controls applied to Service Doors in restaurants, speed service, minimize kitchen noises and odors, decrease dish breakage, and provide other advantages that make them a must for every up-to-date establishment.

Controls are generally arranged for one-way traffic, with safety rays or carpets included to permit quick opening and closing with assurance that doors will not close on traffic, whatever its speed or volume.



PROPOSALS

The experience we have gained in preparing literally thousands of layouts is at your disposal. Let us make a study of your particular traffic problem, show you that STANLEY MAGIC DOOR OPERATORS are a sound investment. Write today to The Stanley Works Magic Door Division and we will have our local representative contact you promptly.

RESTAURANT

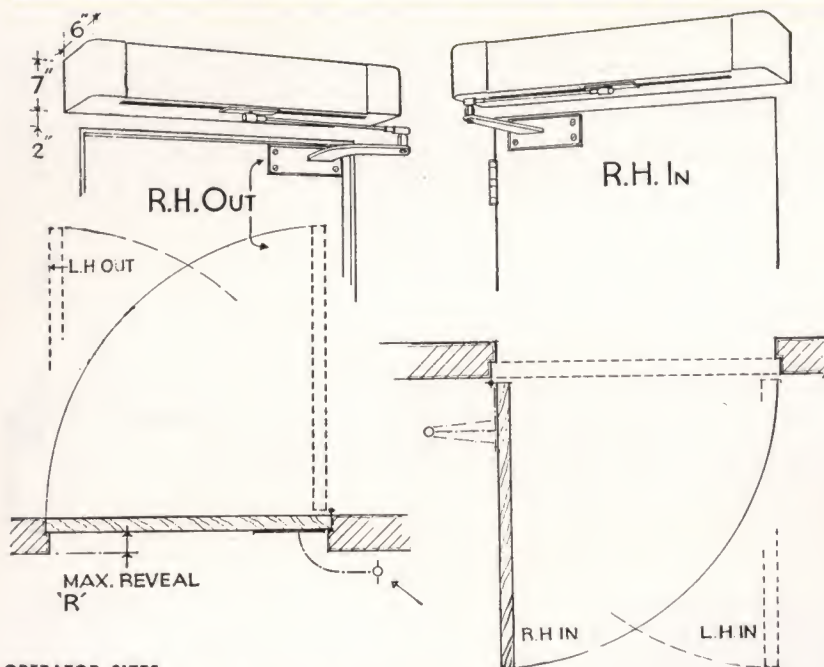
TIFFIN SHOP, INC.

Garden City, L. I.

Two single doors in this well known restaurant do their part to aid the management in providing service to match the quality of the cuisine.

APPLICATIONS OF OPERATORS

O-1B OPERATOR FOR SINGLE SWINGING DOOR



OPERATOR SIZES

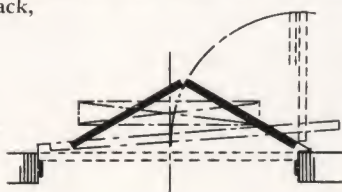
| Door Width | Service & Entrance Doors Photoelec. | Carpet | Double Operator—1 Case Photoelec. | Industrial Doors | Oper. Length |
|-----------------|--|-----------|--------------------------------------|---------------------|-----------------|
| Up to 38" inc. | O-1B-14" | O-1BC-14" | O-1DB-14" | O-1BI-14" | 41¾" |
| Over 38" to 48" | O-1B-18" | O-1BC-18" | O-1DB-18" | O-1BI-18" | 49¾" |
| Over 48" to 72" | | | O-1DBC-18" | O-1BI-24½" | 62¾" |

O-1BF OPERATOR

Available also is a single cylinder operator for single-folding doors, that is, a two-leaf door, both leaves swinging and sliding to one side only, left or right. Includes extension brackets, angle iron operator support and door brackets for in-swinging door only. Door hardware, track, hangers and hinges are not included.

Door opening to 60" wide
Door opening 61" to 72"
Door opening 73" to 96"

O-1BF-14"
O-1BF-18"
O-1BF-24½"



The O-1 OPERATOR is required on single leaf doors for entrance, service or industrial use. Door must swing one way only, either toward or away from operator side of door, right or left hand.

One-way traffic is recommended, though with proper planning, two-way traffic may be handled through one door.

Operators are available for various widths of doors and should be selected for size as indicated in the adjoining table.

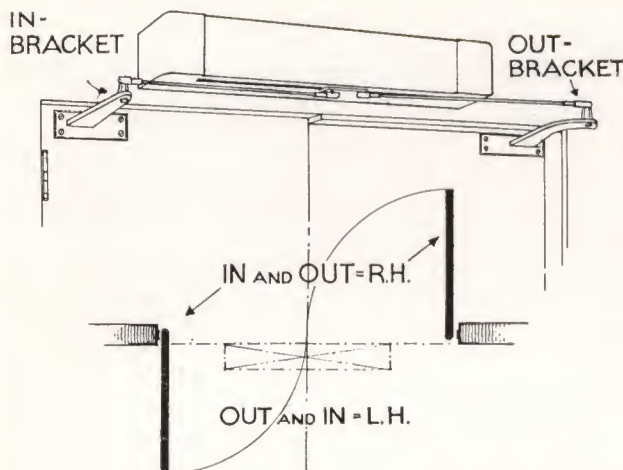
With suitable accessories, they can be applied to all standard types of doors, including tempered glass doors and narrow stile metal doors and can be mounted over the door (Visible), above the ceiling (Magic Star) or under the floor (Magic Mole). Doors must be center pivot hung with two latter methods of operation.



TYPICAL INSTALLATIONS



O-2B OPERATOR FOR IN-AND-OUT DOUBLE SWINGING DOORS



THE O-2B OPERATOR is designed to swing both leaves of a pair of doors simultaneously, one inward and the other outward. This type of installation is recommended for industrial plants or other installations where draft or pressure conditions exist, as it insures even operation of doors under all conditions and keeps doors closed when not in use.

The smaller area taken up by the arc of swing of the narrow door leaves makes this type preferable in many instances. Six models of this operator are available to operate pairs of doors up to 144" in width and 1,000 pounds in weight.

All controls described on page 3 are available for use with this operator.



OPERATOR SIZES

| | | | | | | |
|---------------|----------------|--------------|------------|------------|-------------|--------------|
| Opening Width | Lt. Wt. to 54" | Heavy to 60" | 61" to 84" | 85" to 96" | 97" to 120" | 121" to 144" |
| Operator No. | O-2BS-14" | O-2B-14" | O-2B-18" | O-2B-24½" | O-2DB-18" | O-2DB-24½" |
| Length | 41¾" | 41¾" | 49¾" | 62¾" | 96¾" | 126" |

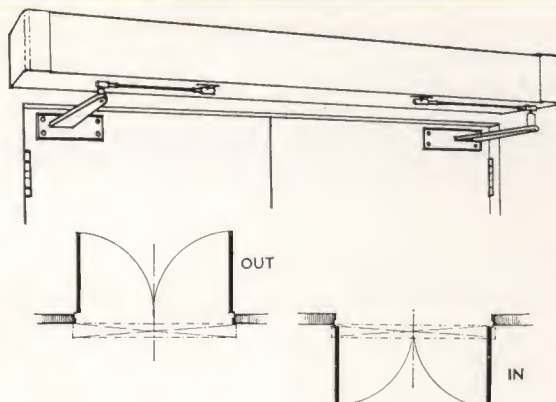
O-4B OPERATOR FOR DOUBLE DOORS SWINGING ONE WAY



The O-4B OPERATOR is recommended for use on double swinging doors. Doors may be swung either inward toward the operator side, or outward from the operator side.

Three models of this operator are available to operate pairs of doors depending on size up to 144" wide, 1,500 pounds in weight.

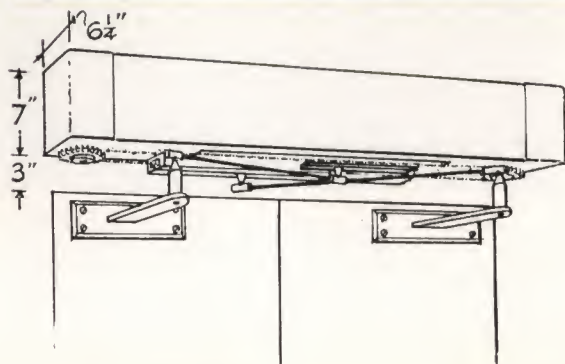
Control devices to suit conditions can be specified.



OPERATOR SIZES

| | | | |
|---------------|----------------------|----------------------|-----------------------|
| Opening Width | 54" to 72" | 73" to 96" | 97" to 120" |
| Operator No. | O-4B-14" — 82¾" long | O-4B-18" — 96¾" long | O-4B-24½" — 126" long |

O-11 OPERATOR FOR DOUBLE-SWING LIGHT DOORS



The O-11 OPERATOR supplements the O-4 line and is generally specified for a small pair of doors which swing in the same direction and are located in passageways where the sideroom is limited.

Small two-leaf doors can be operated extremely fast and floor space required for the controls is kept at a minimum.

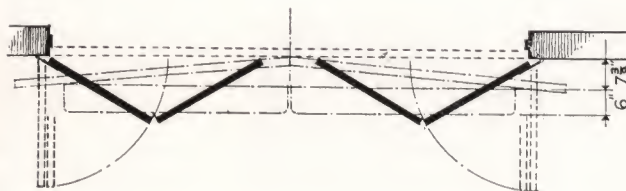
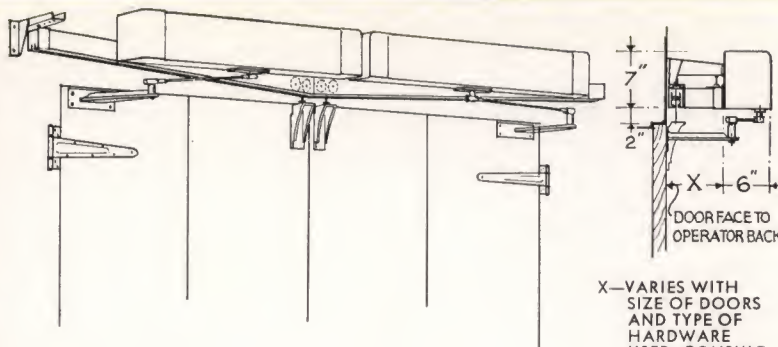
This Operator contains a single power cylinder with reversing mechanism built under the case and requires 3" of headroom instead of the customary 2" for standard or regular Operators.

OPERATOR SIZES

| | | |
|---------------|-----------------------|-----------------------|
| Opening Width | Up to 54" | 55" to 72" |
| Operator | O-11B-14" — 41¾" long | O-11B-18" — 49¾" long |

APPLICATIONS OF OPERATORS

O-4FB OPERATOR FOR BI-FOLD DOORS (SWINGING IN ONLY)

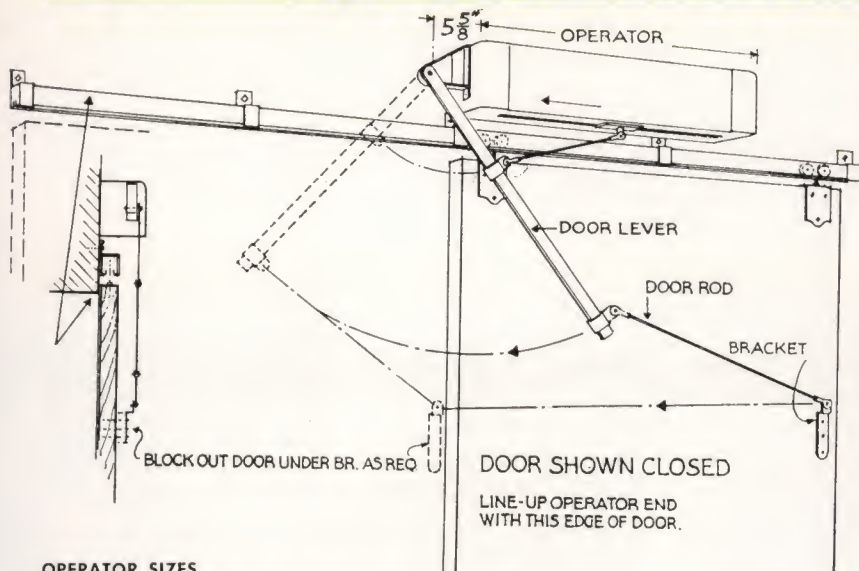


OPERATOR SIZES

| | | | |
|-----------------|------------------------|------------------|------------------|
| Opening Width | Min. 8' to 10'-0" wide | 10'-1" to 12'-0" | 12'-1" to 16'-0" |
| Operator No. | O-4FB-14" | O-4FB-18" | O-4FB-24 1/2" |
| Operator Length | 82 3/4" | 96 3/4" | 126" |

A twin cylinder operator for sets of Bi-folding Doors, four to each opening, two doors swing and slide in each direction. Furnished with extension brackets, angle iron operator support and door brackets for in-swinging doors only. (Door hardware, track, hangers and hinges NOT included.)

O-7B OPERATOR FOR SINGLE SLIDING DOORS



OPERATOR SIZES

| | | | |
|-----------------|----------------|------------|--------------|
| Opening Width | Up to 38" Wide | 39" to 48" | 49" to 84" |
| Operator No. | O-7B-14" | O-7B-18" | O-7B-24 1/2" |
| Operator Length | 41 3/4" | 49 3/4" | 62 3/4" |
| Door weight | 300 lbs. | 400 lbs. | 500 lbs. |

The application of these operators to heavy fire doors offers many advantages without interference with their safety features, saves time by eliminating need for manual operation of heavy doors.

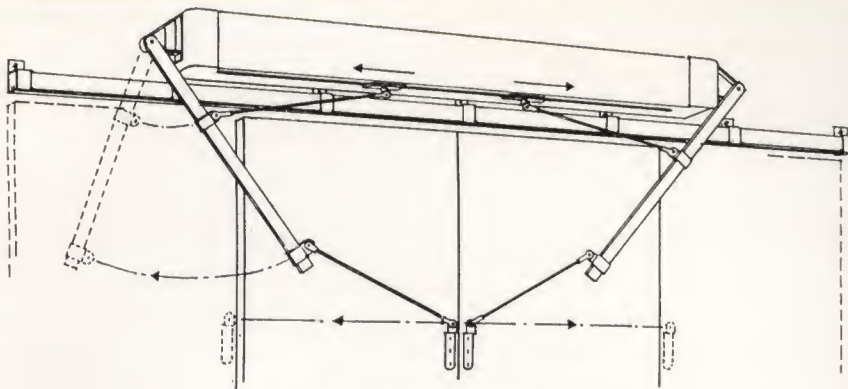


Single cylinder operator for Single Leaf Sliding Doors. Furnished with levers and door brackets for doors sliding to left or right on either box or flat track, level or slanted. Door hardware, track, brackets and hangers are NOT included.

APPLICATIONS OF OPERATORS

STANLEY
Door Controls

O-9B OPERATOR FOR BI-PARTING SLIDING DOORS



OPERATOR BOX CENTERED ON OPENING.

OPERATOR SIZES

| | | | |
|-----------------|-----------|------------|-------------|
| Opening Width | Up to 76" | 77" to 96" | 97" to 168" |
| Operator No. | O-9B-14" | O-9B-18" | O-9B-24½" |
| Operator Length | 82¾" | 96¾" | 126" |
| Weight, 2 Doors | 600 lbs. | 800 lbs. | 1000 lbs. |

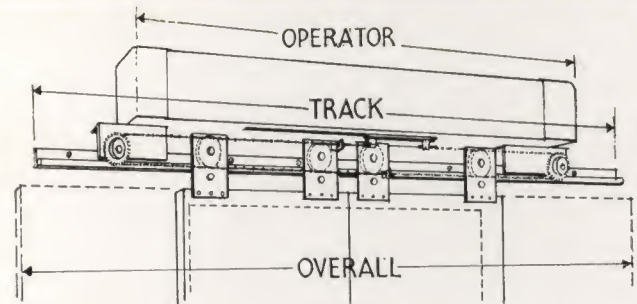
Above operators for equal-width doors. Can be arranged for unequal widths up to two-to-one ratio.



Twin cylinder operators for Bi-Parting Sliding Doors furnished with levers and door brackets for doors on either box or flat track, level or slanted. Door hardware, track, brackets and hangers NOT included.

O-12B CONCEALED OPERATOR FOR SMALL BI-PARTING SLIDING DOORS

Single cylinder operator with built-in synchronizing cable for Bi-Parting doors sliding into wall pockets. Furnished complete with specially designed track and hangers usually concealed in header. Adapted to Entrance or Service doors requiring a minimum of exposed mechanism.

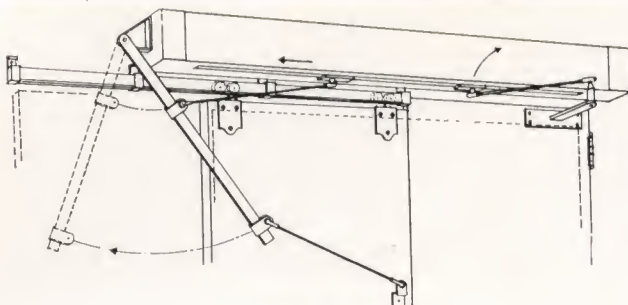


OPERATOR SIZES

| |
|------------------------------------|
| O-12B-18" for 36" Opening Only |
| O-12B-24½" for 37" to 48" Openings |

| Operator | Track | Overall |
|----------|-------|---------|
| 49¾" | 72" | 76" |
| 62¾" | 92" | 101" |

O-49B OPERATOR FOR SWING AND SLIDE DOORS



OPERATOR SIZES

| | | | |
|-----------------|-----------|------------|-------------|
| Opening Width | Up to 76" | 77" to 96" | 97" to 144" |
| Operator No. | O-49B-14" | O-49B-18" | O-49B-24½" |
| Operator Length | 82¾" | 96¾" | 126" |

Twin cylinder operators with synchronizing cable and standard door bracket for one In-Swinging door, lever and door bracket for one Sliding Door, simultaneously operated.

Adjacent walls, columns or other obstructions may prevent use of double sliding or swinging doors; but one side or the other may be clear for a sliding door, the opposite side suited to a swinging door. The swinging door must swing toward side of opening on which operator is mounted.

SPECIFY YOUR MAGIC DOOR LIKE THIS

STANLEY

®

DOOR CONTROLS

The General Contractor shall furnish a complete Door Control installation for the () doors indicated on the door schedule and shown on plans and details. Equipment is to be that manufactured by the Magic Door Division of The Stanley Works and shall consist of —

() O- () Operators — Visible, Magic Mole, Magic Star.

() C- () Photoelectric Controls, MC- () Magic Carpet Controls or Posts, Swivel Units, wall or floor boxes as required by the layout shown. Rails, Ropes, Fittings as required.

An Air Compressor of adequate capacity supplied by Stanley (if central air supply available specify adequate Pressure Regulator Sets).

Operator case shall be of steel, painted.

Posts, rails, fittings, etc., shall be of painted steel or solid bronze or aluminum.

Wiring is to No. 14 wire, (Magic Carpet connections 6 volts) installed to comply with National electric code and existing local codes, on a separate circuit for Magic Door Controls.

Wiring and installation are not furnished by The Stanley Works.

PRELIMINARY DATA

Preliminary data sent independantly to our Engineering Department or presented to our Agents should keep several items in mind in order for us to make an intelligent estimate for the job.

TRAFFIC CONDITIONS are first and foremost. Describe them in detail if there are any unusual requirements. Locate all construction or fixtures within a reasonable distance of the opening. Furnish us a plan sketch of the premises or an architect's drawing if available.

OPERATOR CHOICE — Study the construction of your existing or contemplated door and frame from all angles to determine the most suitable type of operator or give us sufficient detail to determine it for you.

CLEARANCES — Give us complete construction information so we may be sure that —

THE OPERATORS will fit in the space planned for it, whatever type.

THE DOOR ARMS will have sufficient clearance at the side.

THE HINGES or Pivots are exactly located.

THE DOOR and FRAME size and construction are given.

THE FLOOR thickness and construction is determined (Magic Mole).

INSTALLATION — Stanley Door Controls are applicable to practically any type of door. Although most installations follow a similar pattern it is the Stanley policy to inspect each architectural layout to be sure that the equipment specified will give the best possible service. Conditions vary and the requirements of many jobs demand special attention. It is the policy of the company to supply detail installation drawings which should be the guide for the installer. The actual installation is simple and the instructions are explicit. Supervision and job tune-in are furnished by our agents when available locally.

THE STANLEY WORKS
MAGIC DOOR DIVISION
NEW BRITAIN, CONNECTICUT

SPECIFY YOUR MAGIC DOOR LIKE THIS

STANLEY

®

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for it, whatever type.

THE DOOR ARMS will have sufficient clearance
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NEW BRITAIN, CONNECTICUT